LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091037.D
Acq On : 4 Nov 2016 22:57
Operator : UM/SJ
Sample : H5526-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.778	6	8	24	rBV	1943128	4842887	90.68%	4.831%
2	2.121	32	38	48	rVB	657121	1114644	20.87%	1.112%
3	3.504	152	159	166	rBV	119464	246695	4.62%	0.246%
4	4.293	225	228	231	rBV	1155072	1550189	29.03%	1.546%
5	4.864	275	278	287	rVB	737692	1316748	24.66%	1.314%
6	5.127	299	301	303	rBV	98418	98539	1.85%	0.098%
7	5.241	309	311	314	rBV	514318	701679	13.14%	0.700%
8	5.310	314	317	319	rBV	3115676	4847029	90.76%	4.835%
9	5.516	333	335	337	rBV	391225	358352	6.71%	0.357%
10	6.224	393	397	401	rVB2	41488	88477	1.66%	0.088%
11	6.361	406	409	411	rBV	3859404	4866445	91.12%	4.855%
12	6.476	416	419	421	rVV	4467972	4819187	90.24%	4.808%
13	6.521	421	423	427	rVB2	67721	143644	2.69%	0.143%
14	6.704	437	439	441	rBV	1192375	1281993	24.00%	1.279%
15	6.773	443	445	450	rVB	91928	94275	1.77%	0.094%
16	6.864	450	453	455	rBV	3012391	4024481	75.36%	4.015%
17	7.002	460	465	466	rBV3	47080	84622	1.58%	0.084%
18	7.093	471	473	476	rBV3	57929	105964	1.98%	0.106%
19	7.276	486	489	491	rBV	3278312	3602193	67.45%	3.593%
20	7.310	491	492	494	rVV	121431	108204	2.03%	0.108%
21	7.756	526	531	534	rBV2	121764	253185	4.74%	0.253%
22	7.893	539	543	545	rVV4	52476	170840	3.20%	0.170%
23	7.984	549	551	555	rVV2	1501591	2103384	39.38%	2.098%
24	8.065	557	558	561	rVV2	71474	109558	2.05%	0.109%
25	8.419	587	589	594	rVB	71390	120279	2.25%	0.120%
26	8.590	600	604	606	rBV2	112588	133367	2.50%	0.133%
27	8.705	611	614	617	rVB2	88796	123375	2.31%	0.123%
28	8.922	628	633	634	rBV4	64801	167916	3.14%	0.168%
29	8.945	634	635	637	rBV	55714	89192	1.67%	0.089%
30	9.025	640	642	643	rBV	112113	175485	3.29%	0.175%
31	9.070	643	646	649	rVV	5345860	5340654	100.00%	5.328%
32	9.162	651	654	657	rBV3	123048	288260	5.40%	0.288%
33	9.333	666	669	670	rBV3	113054	237257	4.44%	0.237%
34	9.470	679	681	683	rVV	1554794	1385517	25.94%	1.382%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.516	683	685	687	rVB	123263	153023	2.87%	0.153%
36	9.562	687	689	691	rBV	132798	157425	2.95%	0.157%
37	9.596	691	692	695	rVB	248272	329565	6.17%	0.329%
38	9.688	698	700	702	rVB	204057	188301	3.53%	0.188%
39	9.745	702	705	706	rBV	1848392	1831583	34.30%	1.827%
40	9.768	706	707	710	rVB	236541	310199	5.81%	0.309%
41	9.950	721	723	725	rBV	135420	201595	3.77%	0.201%
42	10.065	730	733	734	rBV2	40980	87928	1.65%	0.088%
43	10.145	738	740	742	rBV2	51874	101685	1.90%	0.101%
44	10.179	742	743	745	rVB	218010	251660	4.71%	0.251%
45	10.225	745	747	751	rVB4	41568	105699	1.98%	0.105%
46	10.282	751	752	756	rBV	238103	292716	5.48%	0.292%
47	10.350	756	758	761	rBV3	52618	115280	2.16%	0.115%
48	10.408	761	763	765	rBV2	101104	152206	2.85%	0.152%
49	10.442	765	766	768	rVB2	81251	98382	1.84%	0.098%
50	10.533	771	774	776	rBV	3164129	3133151	58.67%	3.126%
51	10.659	783	785	788	rBV	458624	717838	13.44%	0.716%
52	10.842	798	801	806	rVB6	73244	212161	3.97%	0.212%
53	10.979	809	813	816	rBV4	134545	375355	7.03%	0.374%
54	11.025	816	817	820	rVB2	120471	148223	2.78%	0.148%
55	11.105	822	824	825	rBV	571497	528380	9.89%	0.527%
56	11.253	832	837	838	rBV2	2483474	4436351	83.07%	4.426%
57	11.299	838	841	843	rVV	708907	739041	13.84%	0.737%
58	11.356	843	846	847	rVV2	238103	283427	5.31%	0.283%
59	11.459	852	855	859	rBV2	303507	554135	10.38%	0.553%
60	11.528	859	861	863	rBV	511306	476964	8.93%	0.476%
61	11.688	872	875	876	rBV2	62691	114358	2.14%	0.114%
62	11.722	876	878	879	rVV	350667	350579	6.56%	0.350%
63	11.756	879	881	883	rVV	329191	533655	9.99%	0.532%
64	11.791	883	884	886	rVV2	410166	454429	8.51%	0.453%
65	11.836	886	888	893	rVB2	584373	917783	17.18%	0.916%
66	11.939	893	897	898	rBV	358234	451975	8.46%	0.451%
67	12.019	903	904	905	rVV	226814	161971	3.03%	0.162%
68	12.168	915	917	919	rBV2	113259	147426	2.76%	0.147%
69	12.271	924	926	928	rBV2	200977	303231	5.68%	0.302%
70	12.328	929	931	932	rVB	289116	289292	5.42%	0.289%
71	12.362	932	934	938	rVB2	171909	227098	4.25%	0.227%

LSC Area Percent Report

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.442	938	941	942	rBV	3398109	4480696	83.90%	4.470%
73	12.476	942	944	947	rVB4	71161	144561	2.71%	0.144%
74	12.579	951	953	954	rBV2	162037	178303	3.34%	0.178%
75	12.659	957	960	962	rBV2	2901424	4200062	78.64%	4.190%
76	12.694	962	963	969	rVB3	390938	592594	11.10%	0.591%
77	12.774	969	970	971	rBV	153054	200551	3.76%	0.200%
78	12.808	971	973	976	rVB	3460806	4259011	79.75%	4.249%
79	12.888	976	980	982	rBV2	167901	293651	5.50%	0.293%
80	12.991	987	989	991	rVB	544106	577931	10.82%	0.577%
81	13.059	991	995	996	rBV2	517724	822640	15.40%	0.821%
82	13.094	996	998	1001	rBV2	484261	640792	12.00%	0.639%
83	13.185	1004	1006	1007	rBV	336529	404183	7.57%	0.403%
84	13.391	1022	1024	1028	rVB3	225767	376972	7.06%	0.376%
85	13.494	1032	1033	1036	rBV2	306192	445228	8.34%	0.444%
86	13.608	1040	1043	1044	rBV	539865	765574	14.33%	0.764%
87	13.711	1050	1052	1056	rVB2	702620	1036029	19.40%	1.034%
88	13.859	1062	1065	1066	rBV2	2432078	3806295	71.27%	3.797%
89	13.962	1072	1074	1076	rVB	375437	341131	6.39%	0.340%
90	14.248	1097	1099	1100	rBV	357879	336880	6.31%	0.336%
91	14.339	1105	1107	1109	rBV2	316970	476737	8.93%	0.476%
92	14.557	1124	1126	1130	rVB3	264507	550023	10.30%	0.549%
93	14.637	1131	1133	1137	rVB3	251555	468696	8.78%	0.468%
94	14.865	1150	1153	1158	rBV	1736695	3586141	67.15%	3.577%
95	15.139	1175	1177	1180	rVB	987980	1312289	24.57%	1.309%
96	15.197	1180	1182	1185	rVB	1549231	1803125	33.76%	1.799%
97	15.254	1185	1187	1188	rBV	857710	1031941	19.32%	1.029%
98	16.568	1299	1302	1306	rVB	628240	1118208	20.94%	1.116%
99	16.774	1318	1320	1323	rBV3	115475	193626	3.63%	0.193%
100	16.968	1333	1337	1341	rVB	422535	870213	16.29%	0.868%

Sum of corrected areas: 100242669

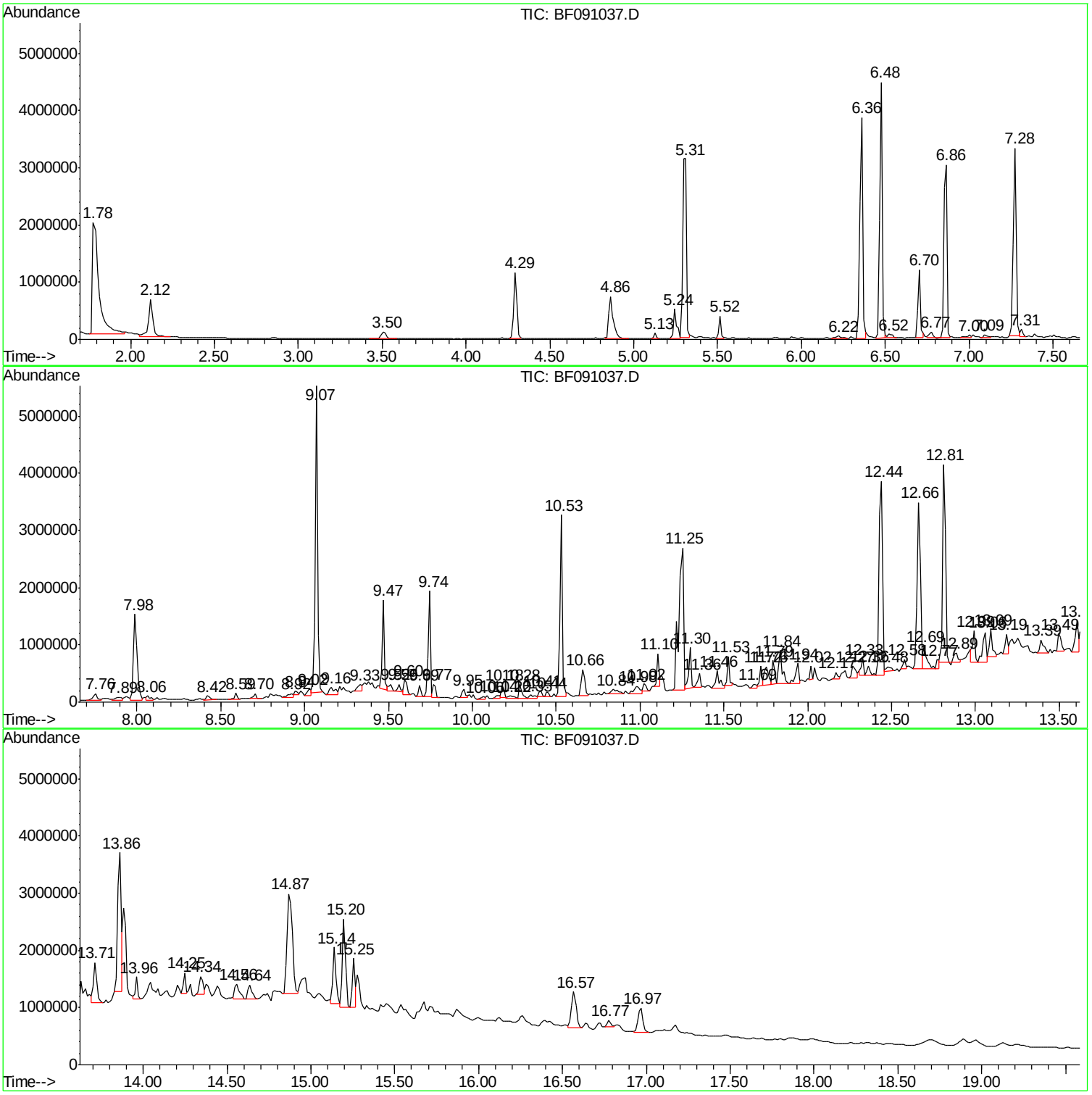
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091037.D
Acq On : 4 Nov 2016 22:57
Operator : UM/SJ
Sample : H5526-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
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Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

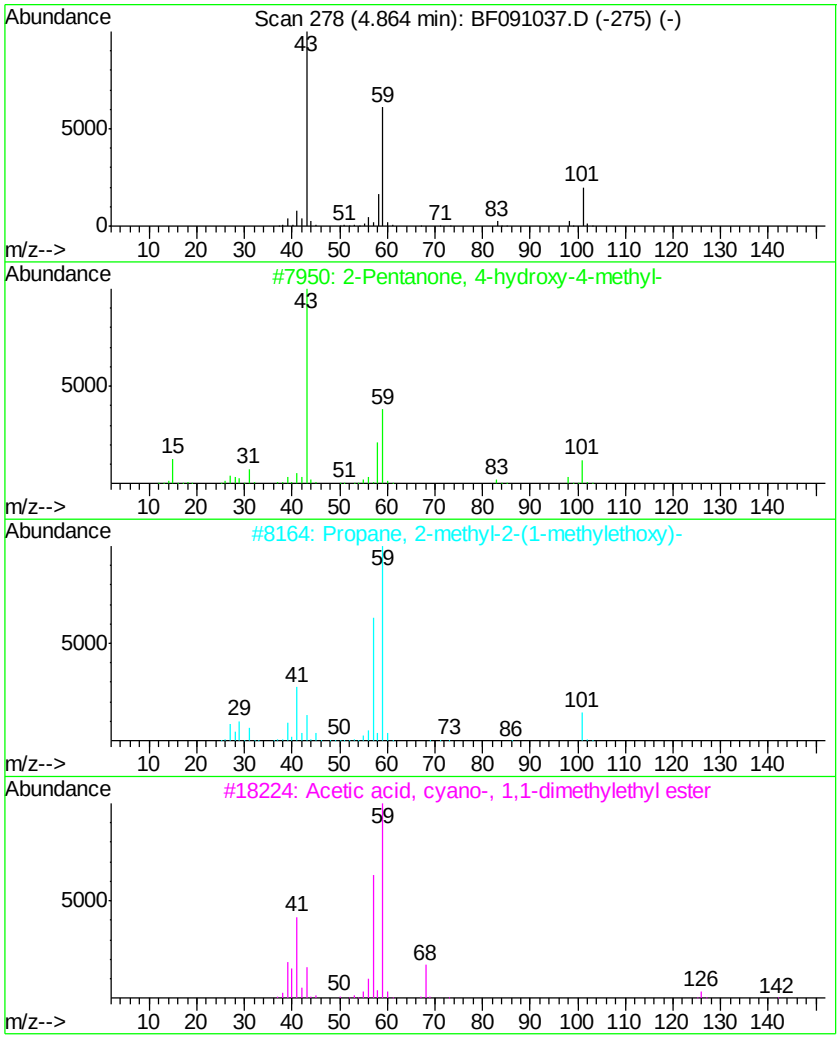
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

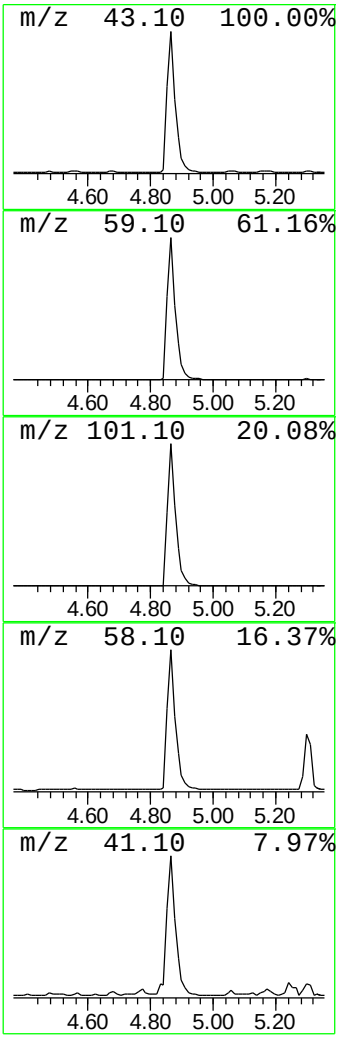
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	20.54 ng	1316750	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Guanidine	59	CH5N3	000113-00-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091037.D
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Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

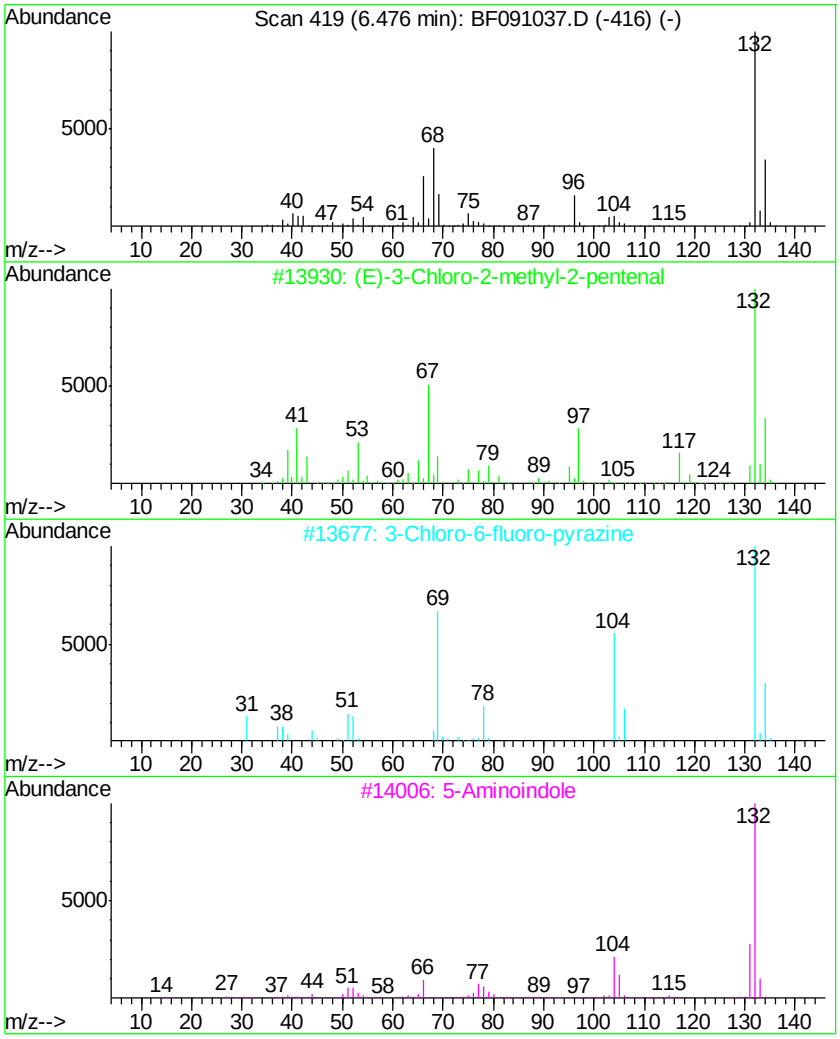
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

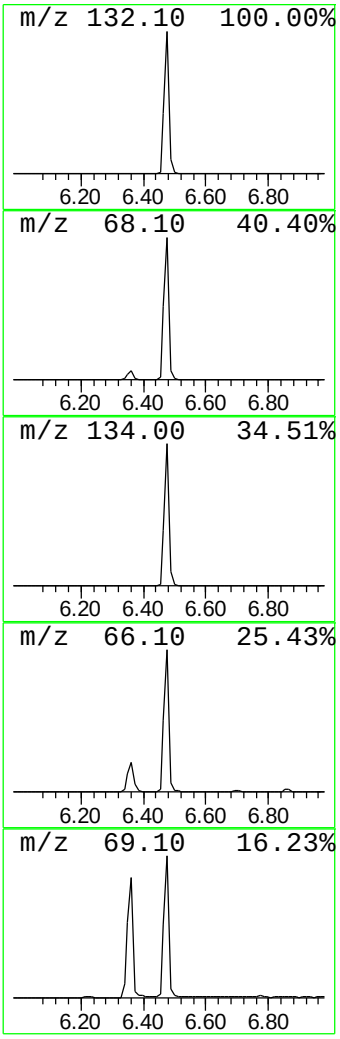
****

Peak Number 8 unknown6.48 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	75.18 ng	4819190	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





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Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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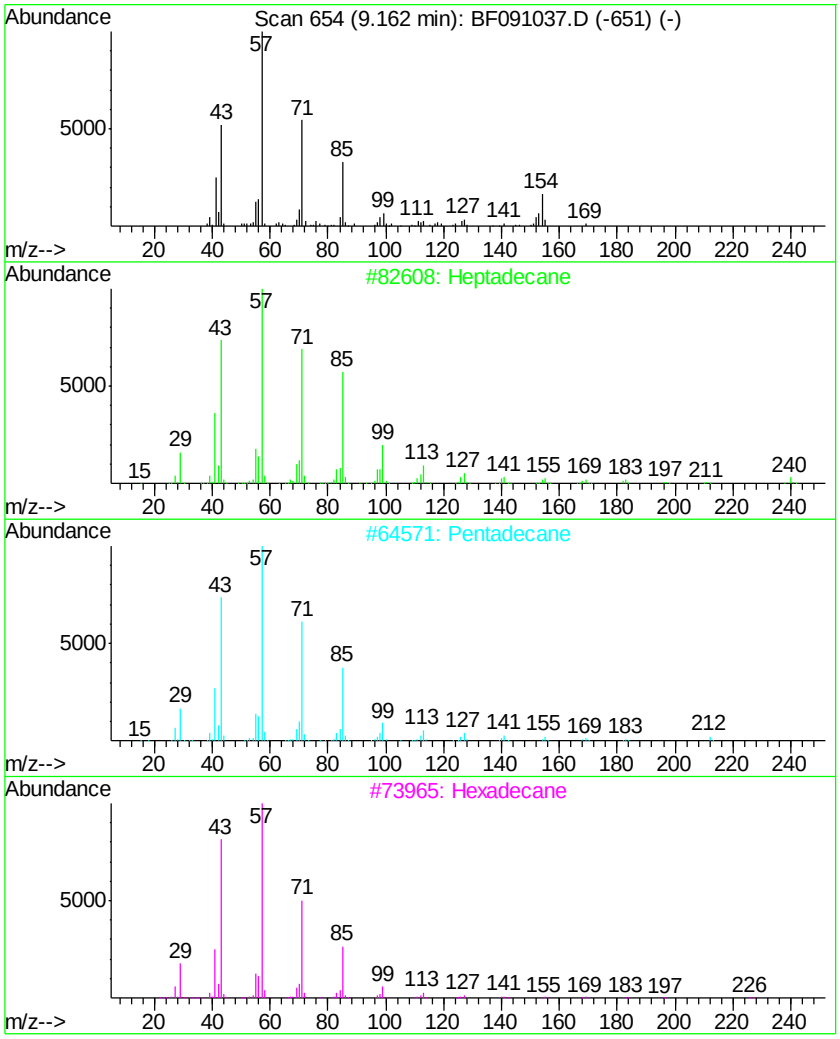
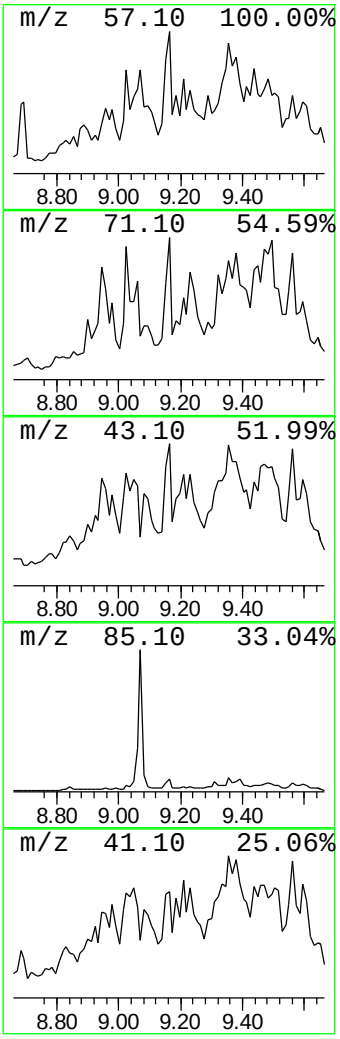
Peak Number 10 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	3.15 ng	288260	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	64
2	Pentadecane	212	C15H32	000629-62-9	64
3	Hexadecane	226	C16H34	000544-76-3	64
4	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	59
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	53





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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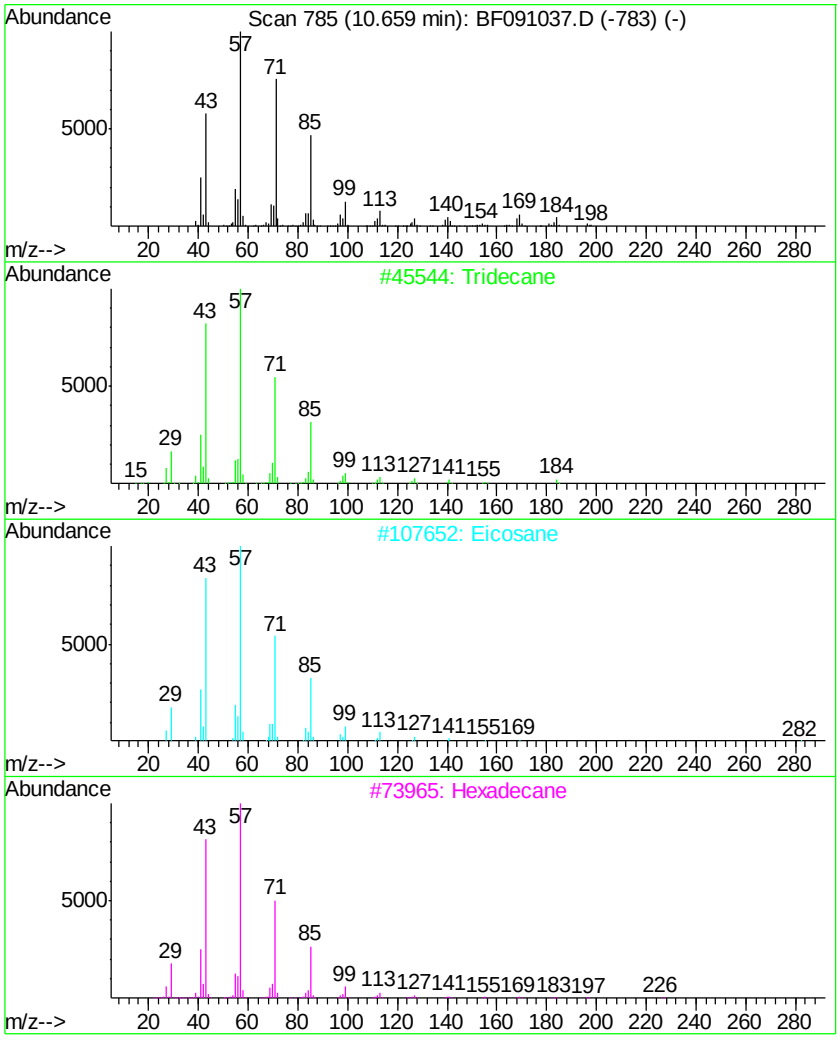
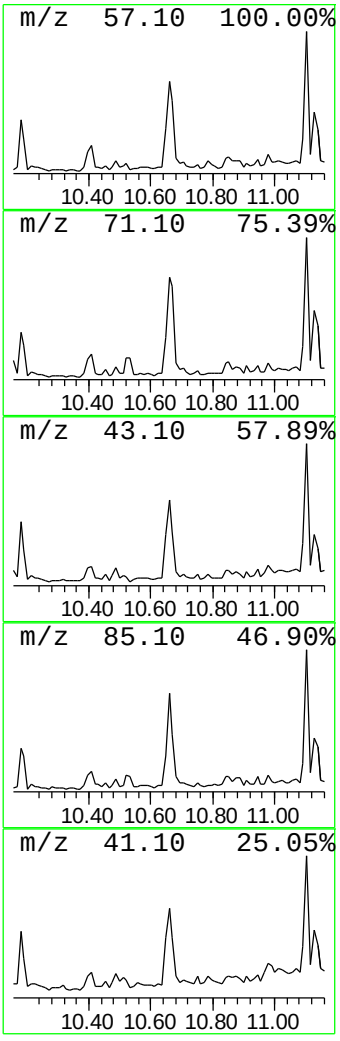
Peak Number 11 Tridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.24 ng	717838	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Eicosane	282	C20H42	000112-95-8	83
3	Hexadecane	226	C16H34	000544-76-3	80
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
5	Pentadecane	212	C15H32	000629-62-9	80





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Sample : H5526-11
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Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

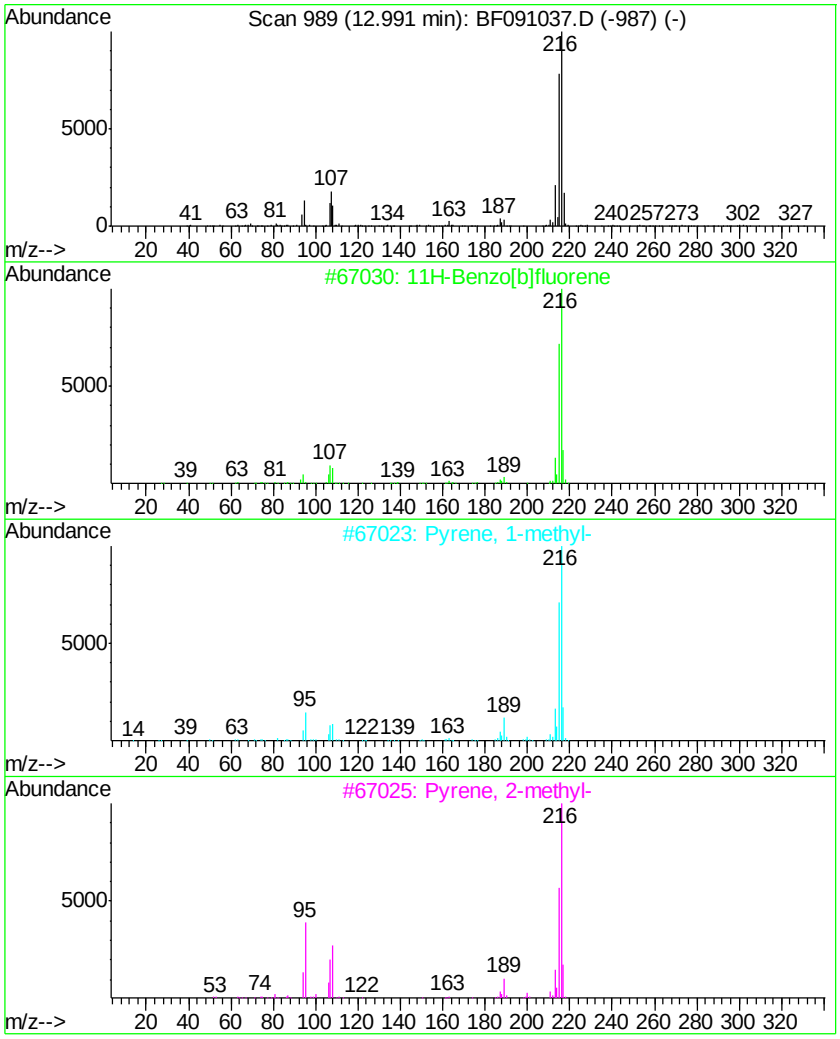
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

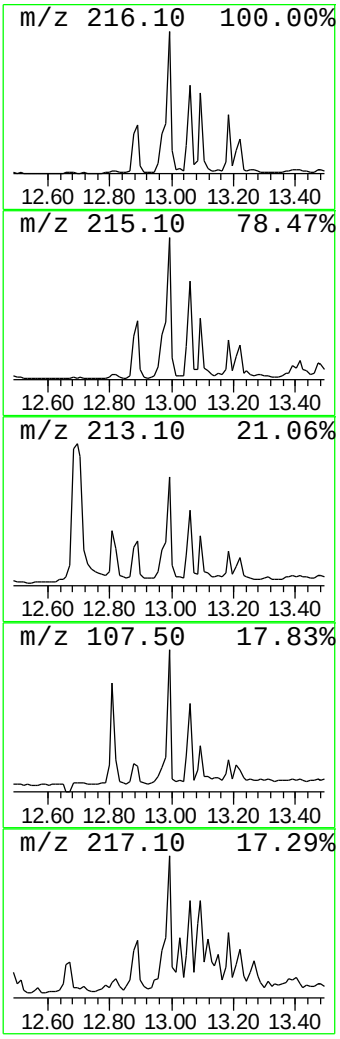
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.04 ng	577931	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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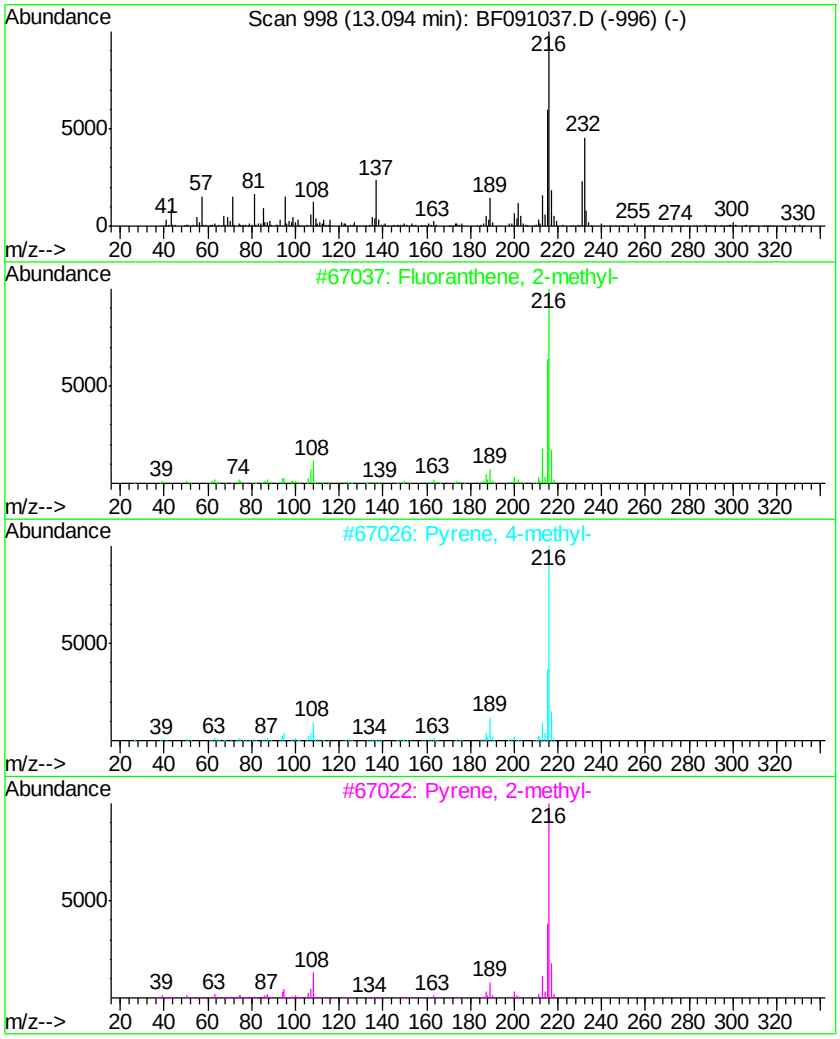
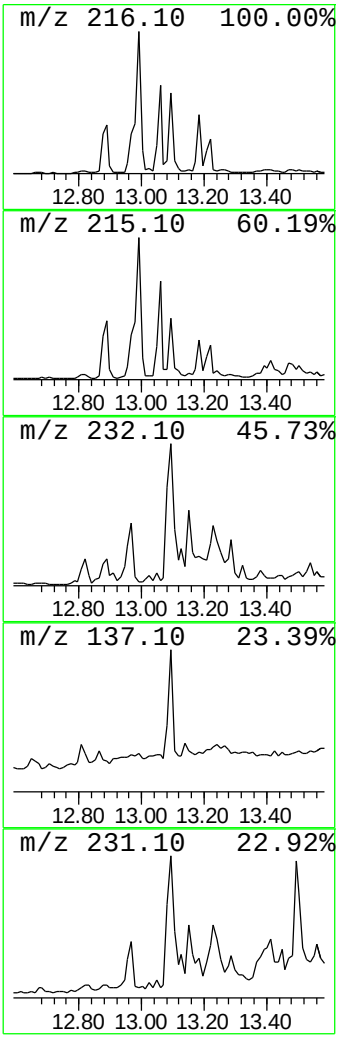
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.37 ng	640792	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





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Data File : BF091037.D
Acq On : 4 Nov 2016 22:57
Operator : UM/SJ
Sample : H5526-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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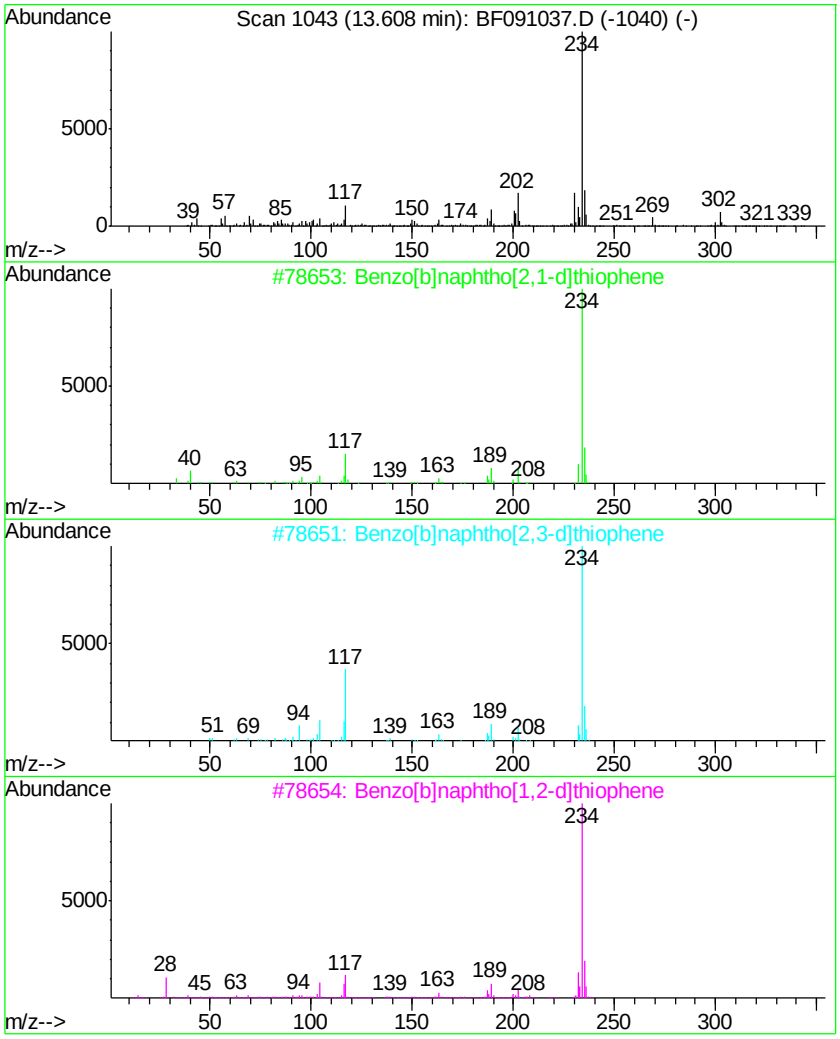
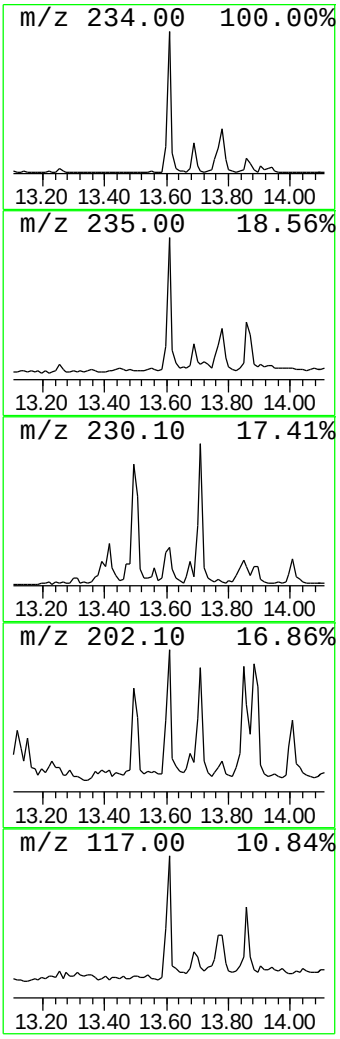
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	4.02 ng	765574	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64
5	Phenoxathiin, 2-chloro-	234	C12H7ClOS	010230-34-9	42





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Operator : UM/SJ
Sample : H5526-11
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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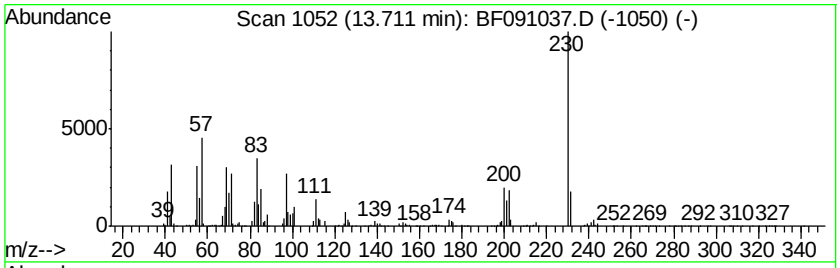
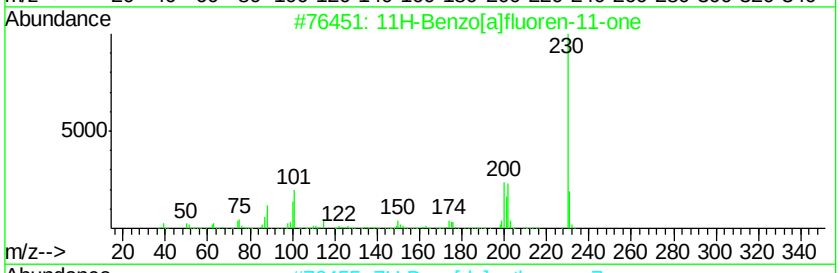
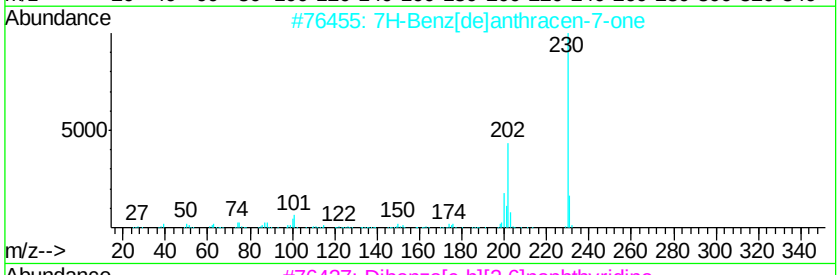
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 11

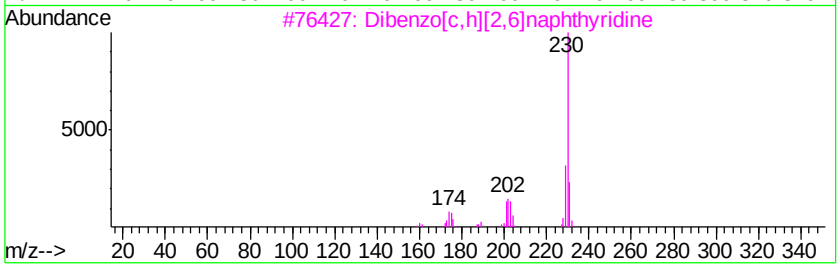
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	5.44 ng	1036030	Chrysene-d12	13.86

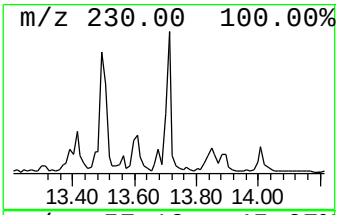
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	50
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	50
5	p-Terphenyl	230	C18H14	000092-94-4	38

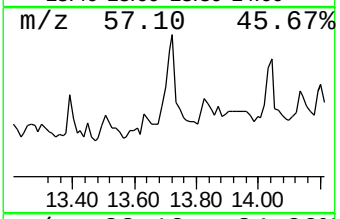


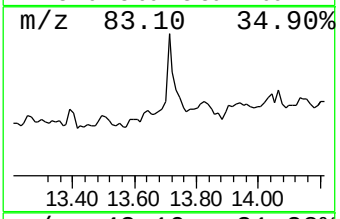


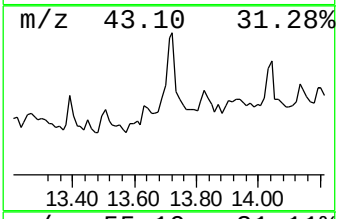


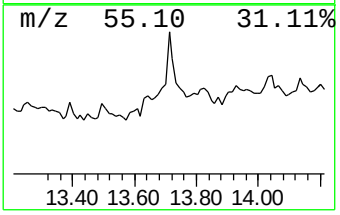












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Instrument : BNA_F
ClientSampleId : SB-103-1.0-2.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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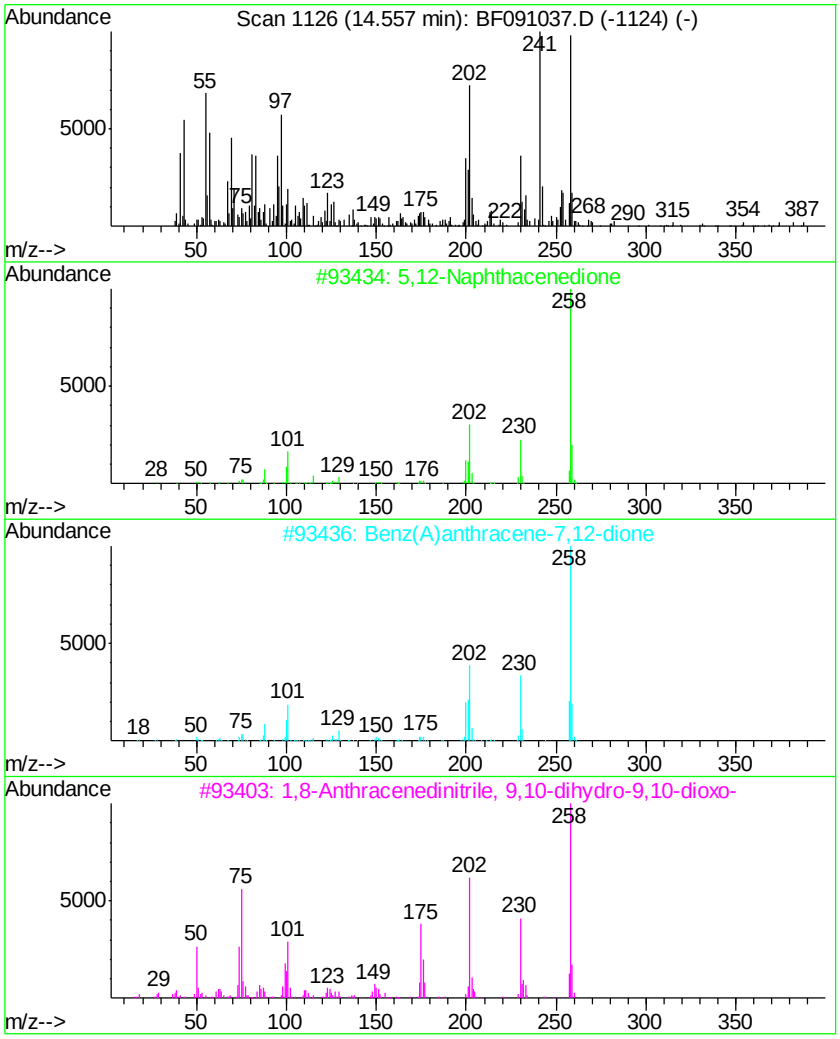
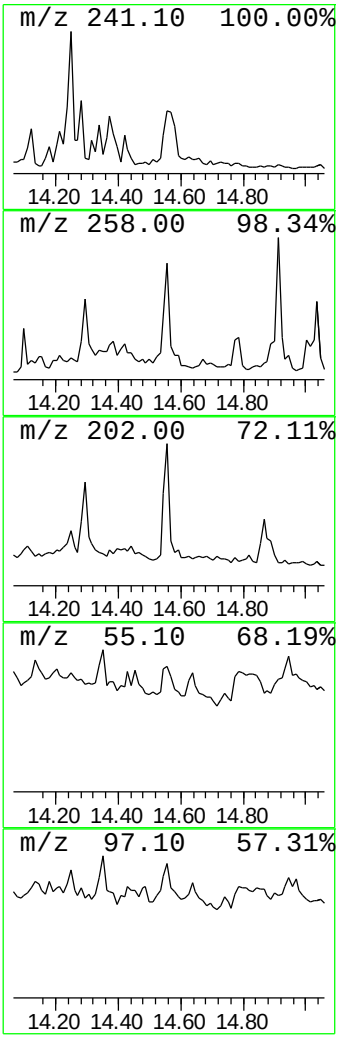
Peak Number 17 5,12-Naphthacenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	2.89 ng	550023	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	83
2	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	59
3	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	42
4	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	38
5	5,7-Dimethyl-6-phenyl-1,3-diazaa...	258	C16H22N2O	1000216-37-9	27





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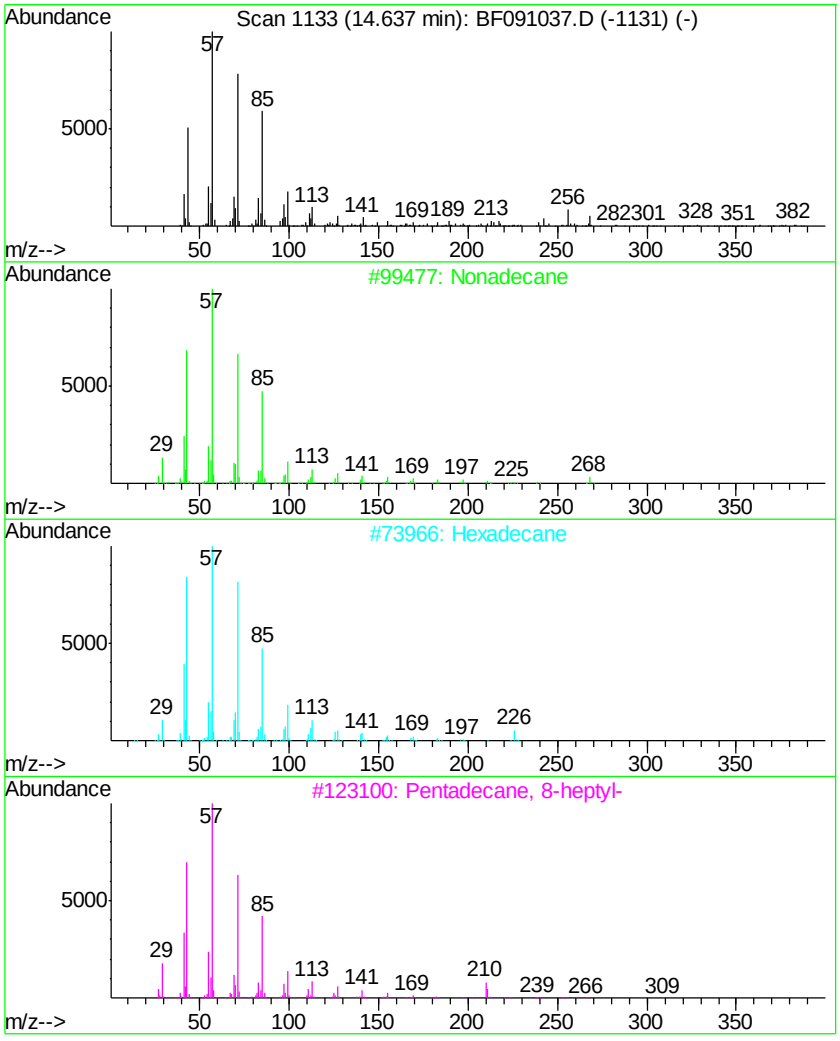
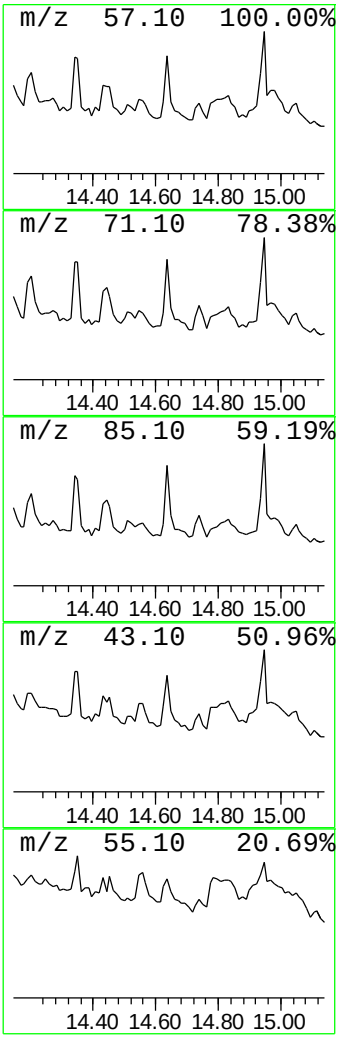
Peak Number 18 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	9.08 ng	468696	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Hexadecane	226	C16H34	000544-76-3	78
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	72
4	Heptacosane	380	C27H56	000593-49-7	64
5	Eicosane	282	C20H42	000112-95-8	59





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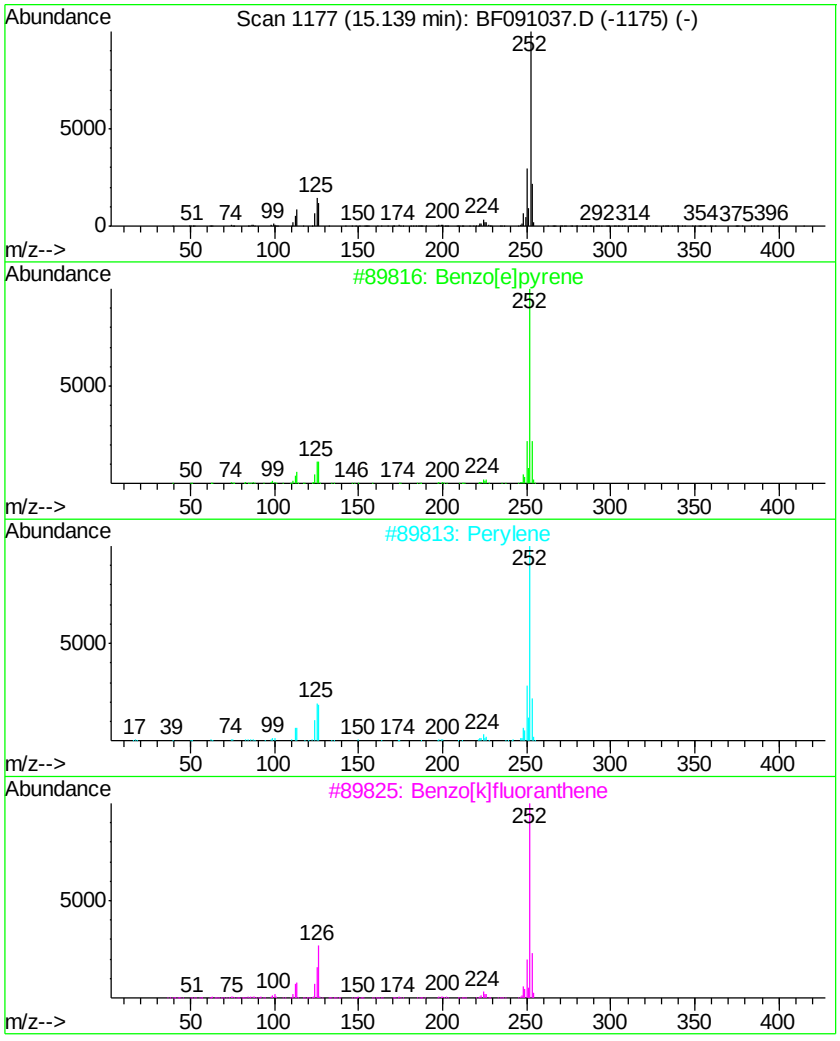
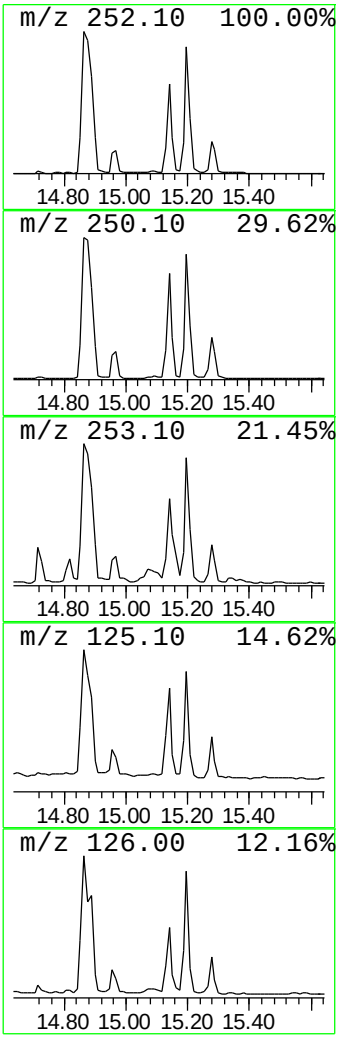
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	25.43 ng	1312290	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.86	20.5	ng	1316750	1	6.70	1281990	20.0
unknown6.48	6.48	75.2	ng	4819190	1	6.70	1281990	20.0
Heptadecane	9.16	3.1	ng	288260	3	9.74	1831580	20.0
Tridecane	10.66	3.2	ng	717838	4	11.22	4436350	20.0
11H-Benzo[b]fluorene	12.99	3.0	ng	577931	5	13.86	3806300	20.0
Fluoranthene, 2-m...	13.09	3.4	ng	640792	5	13.86	3806300	20.0
Benzo[b]naphtho[2...	13.61	4.0	ng	765574	5	13.86	3806300	20.0
11H-Benzo[a]fluor...	13.71	5.4	ng	1036030	5	13.86	3806300	20.0
5,12-Naphthacened...	14.56	2.9	ng	550023	5	13.86	3806300	20.0
Nonadecane	14.64	9.1	ng	468696	6	15.25	1031940	20.0
Benzo[e]pyrene	15.14	25.4	ng	1312290	6	15.25	1031940	20.0